

Rat Inducible nitric oxide synthase ELISA Kit | INOS elisa kit

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CATALOG #
AAA83442

REACTIVITY
Rat

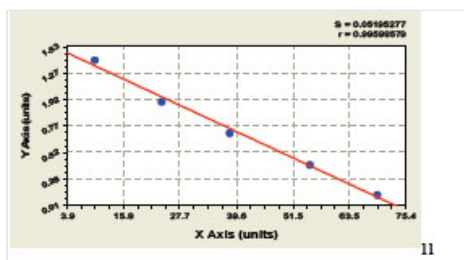
PRODUCT SYNONYMS

Inducible nitric oxide synthase; Rat Inducible nitric oxide synthase ELISA Kit; INOS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This iNOS ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat iNOS. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for INOS elisa kit

Principle of the assay: iNOS ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-iNOS antibody and an iNOS-HRP conjugate. The assay sample and buffer are incubated together with iNOS-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the iNOS concentration since iNOS from samples and iNOS-HRP conjugate compete for the anti-iNOS antibody binding site. Since the number of sites is limited, as more sites are occupied by iNOS from the sample, fewer sites are left to bind iNOS-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The iNOS concentration in each sample is interpolated from this standard curve.

Product Categories/Family for INOS elisa kit

Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	17137626
NCBI GeneID	35671
NCBI Accession #	NP_477405.1
NCBI GenBank Nucleotide #	NM_058057.6
Molecular Weight	62,249 Da
NCBI Official Full Name	inos
NCBI Official Symbol	Inos
NCBI Official Synonym Symbols	bs36h12.y1; CG11143; DmelCG11143; INOS
NCBI Protein Information	CG11143 gene product from transcript CG11143-RA; CG11143-PA; Inos-PA; inos; myo-inositol-1-phosphate-synthase
UniProt Protein Name	Inositol-3-phosphate synthase
UniProt Gene Name	Inos
UniProt Synonym Gene Names	CG11143; MIP synthase; IPS; MI-1-P synthase
UniProt Entry Name	INO1_DROME

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/inos-rat-elisa-kits/inducible-nitric-oxide-synthase/83442>